



# LEPSTYR 210 EXTRA

Adhesive for mounting graphite Styrofoam panels

**Areas of application:** Adhesive for mounting graphite and common Styrofoam panels in external thermal insulation systems.  
Can be applied on various types of mineral groundworks: concrete, cement-lime, ceramic, silicate, autoclaved aerated concrete, etc.  
Incorporated in the TURBO, TURBO-S, TURBO-SA, TURBO-SO, TURBO-SISI, TURBO-SO PROTECT thermal insulation systems by KREISEL

- Properties:**
- Waterproof
  - Frost-resistant
  - Vapor-permeable
  - High mechanic durability
  - Easy to process
  - For graphite and white foamed polystyrene
  - For various groundworks

**Application procedure:**

Technical data	
Item no.	31584
Packaging type	
Quantity per unit	25 kg/unit
Unit per pallet	48 unit/Pal.
Colour	Grey
Granulation	0 - 0.5 mm
Consumption	4.5 kg/m²
Drying time	from 24 to 48 hours
Application time	> 2 - < 3 h
Application time-Tip	the time depends on the temperature and air humidity
Bulk density	approx. 1.45 g/cm³
Layer thickness	2 - 15 mm
Hardening time (at approx. +20 °C)	approx. 24 h
Soluble chromium VI content	≤ 0.0002 %
Amount of water required	approx. 6.25 l/bag
Adhesion to (Concrete)	≥ 0.5 MPa
Adhesion to (Styrofoam)	≥ 0.8 MPa
Adhesion to (Graphite styrofoam)	≥ 0.8 MPa

**The product conforms to:** • European Technical Assessment ETA 15/0576

- Material base:**
- Quartz aggregate
  - Mineral fillers
  - Additives
  - Portland cement

**Surface:** The groundwork must be cleaned and properly prepared.  
Apply seasoned Styrofoam panels fulfilling specific requirements



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<b>Types of substrate:</b>	<b>Bricks and ceramic CMUs:</b> Prime with GRUNTOLIT-W 301 or EXPERT 6 <b>Concrete, reinforced concrete:</b> Prime with GRUNTOLIT-W 301 or EXPERT 6 <b>Autoclaved aerated concrete elements:</b> Prime with GRUNTOLIT-SG 302 or EXPERT 5 <b>Silicate blocks:</b> Prime with GRUNTOLIT-W 301 or EXPERT 6 <b>Cement-lime plaster:</b> Prime with GRUNTOLIT-W 301 or EXPERT 6
<b>Preparation:</b>	Pour the dry mix gradually to a container with a sufficient amount of clean, cool water. Mix manually or using a low-speed mixer to produce a homogeneous mass without lumps. Leave to mature for 5 minutes and mix again. The mass should be thick enough not to slide from a trowel when set at an angle. If necessary, depending on the conditions, slightly adjust the amount of water added. Do not mix the hardened grouting mixture again.
<b>Application procedure:</b>	Apply the mortar evenly with a toothed trowel (surface method) or apply a stripe of mortar (fitch) along the edges as well as 3–6 spots (strip-spot method). Apply the panel with mortar to the groundwork and level it with the neighboring panels. When applying insulation panels, make sure the adhesive covers 40% of their surface. Observe all tying principles when applying insulation panels. When using graphite Styrofoam, covers limiting the effect of sun exposure must be unconditionally used. When gluing boards to even substrates, the plane method of applying glue can be used. A portion of adhesive mortar should be applied to the board and spread using a straight edge of the trowel in a thin layer, pressing against the board surface. Then apply an additional portion of the mortar and spread it with the notched trowel edge (at least 10 x 10 x 10 mm).
<b>Application conditions:</b>	Apply in temperatures from +5 °C to +25 °C, these temperature refer to air, groundwork and product temperature. Proceed to applying Styrofoam panels after the groundwork has set, contracted and dried up completely.
<b>Instructions:</b>	Protect against frost, precipitation, excessive drying during the execution of works and drying. Do not apply scaffolding covers. Insulation panels must be additionally fastened with suitable ties. Adhere to Styrofoam manufacturer's guidelines Commence further works after a minimum of 3 days from the application of Styrofoam panels
<b>Storage:</b>	Up to 12 months from the date of manufacture, in dry places and in intact packaging
<b>General information:</b>	This product data sheet replaces all its previous versions. The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions. The product shall be applied in accordance with required technical knowledge and OHS rules. Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing.